

## HEALTH & SAFETY RISKS



IN ADDITION TO THE STANDARD HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THE TYPE OF WORK DETAILED ON THIS DRAWING, PLEASE NOTE THE FOLLOWING RESIDUAL HEALTH AND SAFETY RISKS

### CONSTRUCTION RISKS

#### CR01. SERVICES ASSOCIATED WITH PREVIOUS USE

EXISTING SERVICES PRESENT WITHIN THE CONSTRUCTION SITE. M&E CONSULTANT TO ADVISE ON STATUS (LIVE OR DEAD) OF ABOVE AND BELOW GROUND SERVICES. EXCAVATIONS TO BE COMPLY WITH HSG47 (AVOIDING DANGER FROM UNDERGROUND SERVICES). CONTRACTOR TO OBTAIN PERMIT TO DIG, UNDERTAKE TRIAL HOLES AND CAT SCAN OF WORK SITE PRIOR TO EXCAVATION. HAND DIG WHERE NECESSARY. LIVE SERVICES TO BE DIVERTED AND/OR PROTECTED WHERE THEY ARE TO REMAIN AND BE BUILT INTO THE PROPOSED WORKS. CARE TO BE TAKEN WHILST WORKING AROUND LIVE SERVICES.

#### CR02. EXCAVATION SUPPORT AND TEMPORARY WORKS

GROUND INVESTIGATIONS UNDERTAKEN IDENTIFY POTENTIALLY UNSTABLE GROUND AND HIGH GROUND WATER LEVELS. DUE TO THE NATURE OF THE GROUND, EXCAVATIONS WILL REQUIRE TEMPORARY SUPPORT AND EDGE PROTECTION. CONTRACTOR TO UTILISE APPROPRIATE TEMPORARY WORKS, DESIGNED BY A TEMPORARY WORKS DESIGNER, AS NECESSARY TO ENSURE THE SAFETY OF ALL OPERATIVES.

#### CR03. WORKING IN CLOSE PROXIMITY TO EXISTING FOUNDATIONS

IN CONSTRUCTING THE WORKS EXTREME CARE SHALL BE TAKEN TO ENSURE THAT THE EXISTING FOUNDATIONS ARE NOT UNDERMINED. THE CONTRACTOR SHALL UTILISE TEMPORARY WORKS AS NECESSARY TO ENSURE CONTINUED STRUCTURAL STABILITY AND CONSTRUCT THE WORKS IN A HIT-MISS FASHION AS NECESSARY.

#### CR04. EXCAVATIONS FOR FOUNDATIONS

SIGNIFICANT EXCAVATIONS ARE REQUIRED DURING THE CONSTRUCTION OF THE FOUNDATIONS & DRAINAGE. ENSURE THAT ADEQUATE SLOPE STABILITY IS PROVIDED AT ALL TIMES.

#### CR05. CONSTRUCTION SITE ADJACENT TO GENERAL PUBLIC

THE ADJACENT SITE WILL REMAIN OPEN DURING THE WORKS. ENSURE THAT CONSTRUCTION SITE IS CORDONED OFF TO ENSURE NO ACCESS CAN BE ACHIEVED BY THE GENERAL PUBLIC. ENSURE THAT ALL CONSTRUCTION TRAFFIC IS SEGREGATED FROM THE GENERAL PUBLIC.

#### CR06. PRECAST CONCRETE FLOORS/HEAVY STRUCTURAL ITEMS

CRANE REQUIRED TO LIFT HEAVY ITEMS. ENSURE THAT CRANE MAT HAS BEEN DESIGNED FOR LIFTING REQUIREMENTS AND SITE CONDITIONS.

#### CR7. TEMPORARY WORKS

CONTRACTOR TO DESIGN TEMPORARY WORKS. TEMPORARY WORKS WILL ALSO BE REQUIRED FOR FIRST FLOOR WALLS TO MAINTAIN STABILITY DURING CONSTRUCTION PERIOD.

### OPERATION & MAINTENANCE RISKS

THERE ARE NO UNUSUAL / ONEROUS RESIDUAL HAZARDS ASSOCIATED WITH THE OPERATION AND MAINTENANCE OF THE WORKS HIGHLIGHTED ON THIS DRAWINGS WHICH A COMPETENT USER / MAINTAINER WOULD NOT ORDINARILY BE REASONABLY AWARE OF.

### DEMOLITION RISKS

THERE ARE NO UNUSUAL / ONEROUS RESIDUAL HAZARDS ASSOCIATED WITH THE DEMOLITION OF THE WORKS HIGHLIGHTED ON THIS DRAWINGS WHICH A COMPETENT DEMOLITION CONTRACTOR WOULD NOT ORDINARILY BE REASONABLY AWARE OF.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING IN ACCORDANCE WITH THE REQUIREMENTS DEFINED IN THE CDM REGULATIONS.

### GENERAL PAVEMENT NOTES:

- ALL EXTERNAL WORKS TO BE CONSTRUCTED TO THE FULL SATISFACTION OF BOTH BUILDING REGULATIONS AND WARRANTY PROVIDER INSPECTORS.
- GENERALLY, ALL WORKS ARE TO CONFORM TO THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS - VOLUME 1 - SPECIFICATION FOR HIGHWAY WORKS [SHW]
- CBR VALUES AT FORMATION ARE TO BE TESTED IN ACCORDANCE WITH SHW SERIES 600 CLAUSE 631 & BS 1377-4:1990.
- KERBING UNITS TO BE MANUFACTURED TO CONFORM TO BS EN 1340:2003.
- ALL FILL MATERIAL WITHIN 450mm OF THE PAVEMENT SURFACE SHALL BE NON-FROST SUSCEPTIBLE AS REQUIRED BY SHW SERIES 600 CLAUSE 801.

### TOP SOIL NOTES:

- ALL TOPSOIL TO CONFORM TO BS 3882:2015 & EPS REMEDIATION METHOD STATEMENT CONTAMINANT THRESHOLD.
- TOPSOIL TO BE OF A QUALITY THAT WILL NOT PRESENT A HAZARD TO USERS OF GARDEN AREAS.
- TOPSOIL TO BE FINISHED BY OTHERS IN A SUITABLE MANNER READY TO RECEIVE FINAL PLANTING (I.E SEEDING OR TURFING).

### BLOCK PAVING NOTES:

- CONCRETE BLOCK PAVING TO BE MANUFACTURED TO CONFORM TO BS EN 1338: 2003 & LAID IN ACCORDANCE WITH BS 7533-3: 2005.
- EDGE RESTRAINTS AND/OR KERBING TO BE PROVIDED TO ALL BOUNDARIES OF BLOCK PAVED AREAS & BE LAID IN ACCORDANCE WITH BS 7533-6: 1999.
- LAYING COURSE TO BE EITHER NATURALLY OCCURRING OR SEA DREDGED SAND TO CONFORM TO BS EN 12620: 2002. LAYING COURSE MATERIAL TO BE CHECKED FOR COMPATIBILITY WITH BLOCK PAVING MANUFACTURER. LAYING COURSE GRADING TO CONFORM TO BS EN 12620:2002 FOR A CATEGORY II LAYING COURSE

### PAVING FLAG NOTES:

- CONCRETE PAVING FLAGS TO BE MANUFACTURED TO CONFORM TO BS EN 1339: 2003.
- PAVING FLAGS TO BE BEDDED ON MORTAR CONFORMING TO PD6678 & BS EN 998-2: 2016.
- SUITABLE ALTERNATIVE BEDDING TYPES MAY BE USED FOR CONCRETE FLAGS SUBJECT TO THE APPROVAL OF ALAN WOOD & PARTNERS LTD.

### ASPHALT NOTES:

- ASPHALT CONCRETE & HOT ROLLED ASPHALT MIXTURES SHALL CONFORM TO PD 6691: 2015 & BS EN 13108-1: 2016.
- ASPHALT CONCRETE TO BE TRANSPORTED, LAID & COMPACTED TO CONFORM TO BS 594987: 2015.
- PAVING GRADE BITUMEN TO CONFORM TO BS EN 12591: 2009.
- AGGREGATES FOR BITUMINOUS MATERIALS TO CONFORM TO PD 6682-2:2009 & BS EN 13043:2013.

### PAVEMENT FOUNDATION NOTES:

- THE SUBGRADE / FORMATION SHOULD BE PREPARED TO CONFORM TO SHW SERIES 600 CLAUSE 616 & APPENDIX 6/1.
- ANY HARD OR SOFT SPOTS SHOULD BE EXCAVATED & BACKFILLED WITH A SUITABLE MATERIAL.
- TYPE 1 SUB-BASE TO BE DT9 TYPE 1 CONFORMING TO SHW SERIES 800 CLAUSES 801 & 803. TYPE 1 SUB-BASE TO BE TRANSPORTED, LAID & COMPACTED TO CONFORM TO CLAUSE 802.
- ENGINEERED FILL / CAPPING MATERIAL TO BE 6F2 / 6F5 CAPPING TO CONFORM TO SHW SERIES 600 CLAUSES 608 TO 613.
- ALTERNATIVE ENGINEERED FILL MAY BE SUITABLE SUBJECT TO THE PREPARATION OF A SATISFACTORY SPECIFICATION FOR THE MATERIAL TYPE & METHOD OF HANDLING, STORAGE, LAYING & COMPACTION BEING PRODUCED BY AN APPROPRIATELY QUALIFIED ENGINEER & APPROVED BY THE RELEVANT APPROVING AUTHORITIES & INSPECTORS.
- ALAN WOOD & PARTNERS LTD ARE TO BE NOTIFIED IMMEDIATELY OF ANY CHANGES TO THE DESIGN OR SPECIFICATION.

### CONCRETE NOTES:

- STANDARDIZED PRESCRIBED CONCRETE:
- ALL STANDARDIZED PRESCRIBED CONCRETE TO CONFORM TO BS 8500-2:2015
- STANDARDIZED PRESCRIBED CONCRETE MIX - ST2:
- MAXIMUM AGGREGATE SIZE - 20mm.
- CONSISTENCY CLASS - S1.
- IMMEDIATELY AFTER LAYING, CONCRETE SHALL BE PROTECTED FROM RAIN, RAPID TEMPERATURE CHANGE, FROST AND FROM DRYING OUT. ALSO MAINTAIN THE CONCRETE ABOVE 2° IN COLD WEATHER. THE METHODS USED SHALL BE IN ACCORDANCE WITH B.S. 5400, OR APPROVED BY THE ENGINEER.

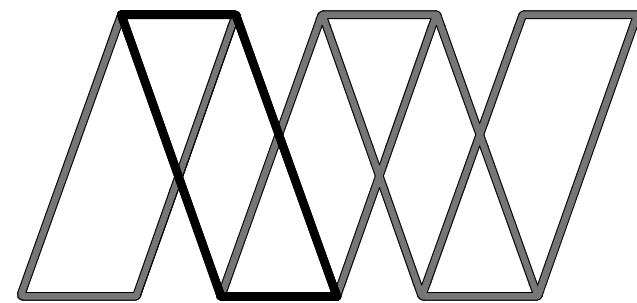
- ALL FORMWORK TO BE CLASS F.

DETAILS SUBJECT TO S184 AGREEMENT.

### NOTES:

- THESE NOTES ARE INTENDED TO AUGMENT DRAWINGS AND SPECIFICATIONS. WHERE CONFLICT OF REQUIREMENTS EXIST THE ORDER OF PRECEDENCE SHALL BE AS SHOWN IN THE SPECIFICATION. OTHERWISE THE STRICTEST PROVISION SHALL GOVERN.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS.
- DRAWINGS NOT TO BE SCALED. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER AND FURTHER INSTRUCTIONS OBTAINED BEFORE WORK IS COMMENCED.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURE AND SEQUENCE AND ENSURE THAT THE BUILDING AND ITS COMPONENTS ARE SAFE DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS WHICH MAY BE NECESSARY. SUCH MATERIAL REMAINING THE PROPERTY OF THE CONTRACTOR ON COMPLETION, AND FOR ENSURING THAT THE WORKS AND ANY ADJACENT PROPERTIES ARE SAFE IN THE TEMPORARY CONDITION.
- FOR STANDARD NOTES REFER TO DRAWING CEL-AWP-ZZ-XX-DR-S-1000

P2	UPDATED TO COYC HIGHWAYS COMMENTS	09.08.23	BI	BI	BI
P1	FIRST ISSUE	04.08.23	BB	BI	BI
Rev	Description	Date	By	Chk	App



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Project:  
Clifton Explore Library.  
Rawcliffe Road, York

Client:  
City Of York Council

Drawing:  
S184 Rawcliffe Drive Proposed Entrance

Role:  
Civil Engineer

Drawing  
Status: Preliminary

Job. no. 46867 Scale@ A1: 1:50 Rev. P2

Project Originator Volume Level Type Role Number

CEL - AWP - ZZ - XX - D - C - 4003

100mm at A1